

Texas Higher Education Coordinating Board
University of Texas at Dallas
18 Characteristics of Doctoral Programs in the Erik Jonsson School

Telecommunications Engineering
CIP code 14.1004.00

1. Number of Degrees Awarded per Academic Year

Academic Year	
2007-08	3
2008-09	2
2009-2010	1
3-year average	2.00

2. Percent of First-year Doctoral Students Who Graduate Within Ten Years

10-year data are not yet available for this degree program because the degree program was authorized less than 10 years ago.

3. Average Time to Degree

Academic Year	Semesters to degree*
2007-2008	14.33
2008-2009	11.57
2009-2010	12.00

*At the University of Texas at Dallas, there are 3 semesters in every calendar year.

4. Employment Profile

Position title	First Position	Second Position
Postdoctoral researcher, fellow or associate	0%	0%
Tenure-track faculty position at a PhD-granting university	20%	20%
Tenure-track faculty position at a 4-year college or non-PhD-granting university	0%	0%
Non-tenure-track faculty position at a PhD-granting university	0%	0%
Non-university administrative position	0%	0%
Research position with college or university	20%	20%
Research position in public, non-profit or private sector	60%	60%
Professional practice with an independent firm	0%	0%
Employed in design	0%	0%
Employed in customer support	0%	0%
Not employed for pay	0%	0%
Other	0%	0%
Summary:		
Academia	40%	40%
Non-academia	60%	60%

5. Admissions Criteria

- Master's degree in Telecommunications Engineering, or Electrical Engineering or Computer Science or a closely associated discipline from an accredited U.S institution or from an acceptable foreign university. Consideration will be given to highly qualified students wishing to pursue the doctorate without satisfying all of the requirements for a master's degree.
- Grade point average in graduate course work of 3.5 or better on a 4-point scale
- GRE scores of 500 and 700 for the verbal and quantitative sections, respectively, or 1200 for the total score.
- Three letters of recommendation.
- A narrative describing motivation for doctoral study in telecommunications engineering and how it relates to one's professional goals.

6. Percentage of Full-time Students with Financial Support (Fall 2009): 76.2%

7. Average Financial Support Provided

Average tuition per student: \$3676

Average salary per student: \$9000

8. Student-Core Faculty Ratio

4.38

9. Core Faculty Publications

Year	2006-2007	2007-2008	2008-2009
Publications	87	87	70

10. Core Faculty External Grants

Total FY08: \$921,445
Average: \$131,635

11. Percentage Full-Time Students

Fall 2005: 14%
Fall 2006: 8%
Fall 2007: 8%

12. Number of Core Faculty

3.2 (all 7 core faculty also contribute to other doctoral programs)

13. Faculty Teaching Load

ECS Faculty Teaching Load: FALL 2008

	Telecommunications Engineering
Total # semester credit hours F08	6166.5
Total semester credit hours ÷ number core faculty: F08	138.1
Total # semester credit hours F08, Sp09, Su09	12,720
Total semester credit hours ÷ number core faculty: F08, Sp09, Sum09	285.42

ECS Faculty Teaching Load: SPRING 2009

	Telecommunications Engineering
Total # semester credit hours Spring 2009	5701
Total semester credit hours ÷ number core faculty	262.64
Total # semester credit hours F08, Sp09, Su09	12,720
Total semester credit hours ÷ number core faculty: F08, Sp09, Sum09	285.42

ECS Faculty Teaching Load: **SUMMER 2009**

	Telecommunications Engineering
Total # semester credit hours Summer 2009	857.5
Total semester credit hours ÷ number core faculty	19.19
Total # semester credit hours F08, Sp09, Su09	12,720
Total semester credit hours ÷ number core faculty: F08, Sp09, Sum09	285.42

14. Faculty Diversity

Male: White = 6; Hispanic = 1; Other = 3

15. Student Diversity

Male: Other = 22

16. Date of Last External Review

2008

17. External Program Accreditation

In the United States, the engineering accreditation agency, ABET, does not accredit engineering doctoral programs. All of our current Bachelor's programs in engineering and computer science are ABET-accredited. The Jonsson School's doctoral programs were reviewed recently as part of the successful reaffirmation of UTD's accreditation by the cognizant regional accrediting agency, the Southern Association of Colleges and Schools.

18. Student Publications/Presentations (Few students publish or present independently; they primarily do this activity in collaboration with their mentoring professors)